

39).

(DC-341).

The Problem of Dense Cotton Cultivation, by
Wang Te-chang, 2 pp.

CHINESE, per, Nung-yeh K'o-hsueh T'ang-hsueh,
No 5, 6 Mar 1959, pp 168, 169. (excerpts)

JPRS 3301

FE - China
Econ
May 60

Basic Experiences in High Production of Yac...
in 1958, 9 pp.

CHINESE, PER, Wung-yeh K'o-hsueh T'ung-pao,
No 6, Mar 1959, pp 197-199.

JPRS-981-D

FE - China

Econ

Nov 1959

101, 145

(NY-6435)

Records System and the Method of Experimentation
for the Peoples Communes, 59 pp.

APPROPRIATE, per, Hsing-yeh Hsiang-shueh T'ung-hsueh,
REF No 6, 7, 8, 21 Mar, 5 Apr, 21 Apr 1959,

JPRS 9450

RE: CHINA

ACCU

JUL 61

155, 9/1-1

(DC-3504/L).

1959 Experience in Fertilization of Paddy
Rice, 1 p.

CHINESE, per, Nung-yeh K'e-hsueh T'ung-hsun,
No 8, 21 Apr 1959, p 257.

*JPRS - 1001 - D

FE - China
Econ - industry, materials
Aug 59

39

(DC-3301).

Study of the Problem of Domestic Wheat Distribution,
by Tang Tse-chiao, 18 pp.

CHINESE, per, Kung-yeh K'o-hueh T'ang-shan, 50 pp,
21 Aug 1950, pp 543-549. (excerpts).

JPRS 3301

FE - China
Econ
May 50

117,448

19

(DC-3/01).

Effects of Deep Ploughing and Fertilization on
High Wheat Yield, 7 pp.

CHINESE, per, Hung-yeh K'o-hsueh Tung-hsun, ~~WFO~~
No 16, 21 Aug 1959, pp 550-553. (excerpt).

JPRS 3301

FE -- China
Econ
May 60

117,498

39

(DC-3461).

Results of Ten Years of Plant Protection Science
in China, 10 pp.

CHINESE, see, Hung-yeh K'io-houeh TUNG-hann, No 13,
21 Sep 1959, pp 629-632.

JPRS 3301

PE - China
Econ
May 60

117,570

39

(DC-3401).

Summary of the 1959 Shensi Province Wheat Rust
Prevention Work, 1 p.

CHINESE, per, Nung-yeh K'o-hsueh Tung-hsun, No 22,
21 Nov 1959, p 770. (excerpt).

JPRS 3301

FE - China
Econ
May 60

39

(DC-3461).

Sowing Spring Corn in Winter, 1 p.

CHINESE, per, Nung-yeh K'o-hsueh Tung-hsun,
No 22, 21 Nov 1959, p 735. (excerpt)

JPRS 3301

FE - China
Econ
May 60

39

(DC-3461).

Preparation of Two Types of Germ Fertilizers, by
Lia Mung-yun, 2 pp.

CHINESE, per, Nung-yeh K'o-hsueh Tung-hsun, No 23,
6 Dec 1959, p 810.

JPRS 3301

FE - China
Econ
May 60

39

(IC-346 1)

Summary on the Experiences of Spring High Wind
Yield in the Nan-kisang Special District, 7 pp.

CHINESE, per, Nung-yeh K'o-hueh Tung-hsun,
No 23, 6 Dec 1959, pp 811-813. (excerpts)

JPRS 3301

FE - China
Econ
May 60

117,501

39

(DC-3461).

Summary of Technical Experiences on High Early
Corn Yield in Kuang-An Hsien in 1959, 4 pp.

CHINESE, per, Nung-yeh K'o-hsueh Tung-hsun,
No 23, 6 Dec 1959, pp 819, 820.

JPRS 3301

FE - China
Econ
May 60

118,519

Fundamentals of Agricultural Production
Techniques, 270 pp.
GOVERNMENT USE ONLY
CHINESE, bk, Hung-veh Sheng-ch'an Chi'shi
Chi-pen Chih-shih, Shanghai, Apr 1965,
2460 pp.
JPRS/L 3377

Sci-Agri
May 70

(TDD 20321)

Preliminary Study of the Problem of Exchange of Labor
on Equalized Values in the Current Rural Mutual-Aid
Production Movement in Fukien (Fu-chien), 24 pp.

CHINESE, monograph, Hsing-yeh Sheng-ch'ang HSH Hu-chu-
tsu Ts'an-k'ao Tzu-liao, Peking, 1952, pp 29-40.

CIA/FDD/U-6022

FE - China
Economic

16, 271

(FDD 22392)

Table of Contents, List of Tables, Charts and
Graphs of "Practical Handbook for Agriculture"
(China), by Kuno Chi-chih, 10 pp.

CHINESE, monograph, Nung-yeh Shih-yung Shou-ts'e,
Shanghai, 1953.

CIA/FDD/U-6680

FE - China
Econ - Agr.

20,016

Oct 54 CTS

(FDD 23263)

Practical Handbook for Agriculture (China),
by Kung Chi-chih, 92 pp.

CHINESE, monograph, Kung-yeh Shih-yung Shou-ts'ie,
Shanghai, Mar 1953, pp 9-23, 57-83, 111-138.

CIA/FDD Tr 403

FE - China

Econ - Agriculture, general CTS 67/Apr 55

25,880

(FDD 29614)

1949 State-Designated Prices, Rates, and Fares in
Korea, 134 pp.

KOREAN, annual publ, 1949 Hyon Kukchong Karyok
Unim Mit Yogyup'yo, P'yongyang, 1949, pp 1-102.

CIA/FID Tr 645

48,927

FE - Korean
Economic - Fiscal

DC-66/113

Preliminary Study of the Soils of the East
China Sea and the Southern Part of the Yellow
Sea, by Fang Shih-Ch'ing, Ch'ing Yun-san.

CHINESE, per, Oceanologia et Limnologia Sinica,
Vol II, No 2, 1959, pp 84-85.

Sci - Geophysics,
Space research

*JPRS

18 Mar 1960

Electrification of Soviet Railways, by Hobuo Yamashita
10 pp. UNCLASSIFIED

JAPANESE, per, OHM, Oct 1957, Encl. to IR 5605-57,
6004th AIBS.

AT 1159247

60,229

USSR
Econ - transportation
Mar 58

Electrification of the Soviet Railways.

JAPANESE, pamphlet, OHM Electric Engineering, Nov 57
39 pp.

6004th AISS Tr IR 5605-57

56,371

USSR
Econ
Sci - Elec
Dec 57

Concerning the Combined Occurrence of Partial
Defect of the Lobus Olfactorius With
Eunuchoidism, by Takeo Kenai.
JAPANESE, per, Okajima Folia Anat Jap.
No 19, pp 199-213, 1940.
NIH 7-12-65

Sci/BQ6
Aug 65

217, 218

Development of the Miracidium of Schistosoma
Japonicum, by M. Watanabe, 120 pp.

JAPANESE, per, Okayama Igakkai Zasshi, (Journal
of the Okayama Medical Society), Vol XLVI, No 3,
Mar 1934, pp 615-664.

NIH

Scientific - Chemistry
CTS 70/Jul 55

25,520

I Oppose Reversion to Japan, by KAKAZU Hashiji, 6 pp.

JAPANESE, per, Okinawa Gurafu, Jul 1962, 21 pp.

FDD/ J-1327/62

FE - Okinawa

Pol

Nov 62

117, 317

Histidine Decarboxylase Isolated From Guinea Pig Liver,
by Y. Yoshioka, 29 pp.

JAPANESE, per, Osaka Daigaku Igaku Zasshi, Vol VIIJ
No 4, 1955, pp 377-387.

NIH 7-12-60

Sci - Med

Sep 60

124,757

Studies of the Mode of Action of
Actinomycin. I. Influence of Actino-
mycin upon Function of the TCA Cycle
(in Vivo), by Kazuo Morino.
JAPANESE, per, Osaka Daigaku Igaku,
Vol 10, 1958, pp 1305-1309.
HEW NLI 8-48-65

Sci/BEL
Oct 65

280,373

Studies on the Mode of Action of
Actinomycin. II. Effect of Actinomycin
on the Respiratory Enzyme System of the
TCA Cycle (in Tissue Homogenates), by
Kazuo Horino.

JAPANESE, per, Osaka Daigaku Igaku,
Vol 10, 1958, pp 1311-1316.

REL. DIR 8-47-65

Sci/BQM

Oct 65

290,328

Studies of the Mode of Action of Actinomycin.
III. Effect of Actinomycin on Succinoxidase
Activity of Animal Tissues and Lymph Node of
Human Reticulosarcoma (in tissue slices), by
Kazuo Horino.

JAPANESE, per, Osaka Daigaku Igaku , 10:
1317-1323, 1958
Dept HEW, NIH, 8-50-65

Sci-Biol & Med
Oct 65

290,330

R-4460-D

Technology for Fundus Camera in Mass Examination -
Comparison of the Findings Obtained by Fundus
Photography and Ophthalmoscopy, by Y. Komachi,
et al.
JAPANESE, per, Osaka Gankashu Dankai, Mar 24, 1965,
pp 1-4.

*JPRS/NIH

Sci
Oct 64

On Attending the Ninth Conference of the World
Veterans Federation in Paris, by Kurata Sadao, 27 pp.

JAPANESE, booklet, Osaka Goyu Kai, No 7, 26 Jul 1961,
Front & Back Covers, pp 1-40.

JPRS/SF-2106

WE - France
Asia - Japan

Pol

Feb 62

132,013

Experiments on Carcinogenesis With Tetramethyldiamino-
benzophenone, by M. Harada, 6 pp.
JAPANESE, par, Osaka Igakai Zasshi, Vol XXXVI,
1937, pp 955-958.

NIH 13-19-63

Sci + Biol & Med
Feb 64

250,187

Some Complex Salts of Silver Iodide and Potassium
Iodide Obtained From Water-Alcohol and Acetone
Solutions and Their Contrast in Photosensitivity,
by Ishii Shinjiro, *22 pp.*
JAPANESE, per, Osaka Kogo Shikensho Hokoku,
Vol 11, No 20, 1931 P511127066
AEC AI-tr-212 *pp 1-25*

Sci/Physics
Dec 66

314,571

Yanagawa, Tetsunosuke and Nishida, Hoehio.
STUDIES ON PROTEINS. IV. ON THE TASTE-
PRODUCING AMINO ACIDS. [1963] 33p.
Order from SLA \$3.60

63-14651

Trans. of [Osaka Kogyo Gijutsu Shinsekjo Hokoku]
(Japan) 1966, v. 16, no. 16, p. 1-26.

DESCRIPTORS: *Proteins, *Amino acids, *Condi-
ments, *Taste, *Sodium compounds.

(Food, TT, v. 10, no. 5)

63-14651

I. Yanagawa, T.
II. Nishida, H.
III. Title: On ...

Office of Technical Services

Hydrothermal Synthesis of Magnetic Iron-cobalt
Oxides, by S. Nobusaka, T. Ando.
JAPANESE, per, Osaka Kogyo Gijutsu Shikensho
Kiho, Vol 14, No 4, 1963, pp 336-341.
HTC-69-15945-11F

Sci-Materials
Feb 70

402,917

HW/Radiological Health

R-8164-D

3 April 67

Enzymatic Hydrolysis of Cyclic Peptides, 2. Enzymatic
Cleavage of Gramicidin S

By: Munehiko Yukioka

From: J. Osaka Medical Center 11:239-49, 1962 (11 pp)

Japanese - est for wls:

Please translate and type 1 original copy. Do not mutilate document. Reproduce for paste-up.

61-12883

Nakajyo, Etsuji and others.
OBSERVATIONS ON THE LEVEL OF ACTIVITY OF
LIVER CATALASE IN MUS MUSCULUS VAR.
ALBINUS, tr. by K. Shimizu. 1961, 14p. 10 refs.
NRCC Technical Trans. 933.
Order from NRCC \$1.00

NRCC C-8575

Trans. of Osaka Shiritou Daigaku Igaku Zasshi
(Japan) 1953, v. 4, p. 376-380.

1. Liver--Biochemistry
2. Catalase--Determination
- I. Nakajyo, E.
- II. NRCC TT-933
- III. NRCC C-8575
- IV. National Research Council
of Canada

151920

Office of Technical Services

(Biological Sciences--Biochemistry, TT, v. 5, no. 9)

A Method for the Separation of Bone Marrow Cells by
Means of Multilayer Centrifugation, by Eiichi Kimura,
Yoshikata Nishikawa, Iwao Enomoto, 14 pp.

JAPANESE, per, Osaka Shiritsu Daigaku Igaku Zasshi,
Vol VI, 1957, pp 234-240.

ABC Tr 3152

Sci - Medicine
Ajr 58

61,076

Studies on Cs-137 Metabolism and Injury,
by Kazuhiko Mikota, 40 pp.
JAPANESE, per, Osaka Shiritsu Daigaku Igaku Zasshi,
Vol VIII, 1959, pp 1335-1362. 9222979
AEC-ANL-Tr-6

Sci-Chem
Aug 64

262,918

Enzymatic Hydrolysis of Cyclic Peptides**I. Enzymatic Cleavage of Colistin,****by Gen. Isshiki.****JAPANESE, per, Osaka Shiritsu Daigaku Igaku****Zasshi, Vol 11, No 5/8, 1962, pp 201-214.****SLA TT-64-18682**Sci-B&M
Jul 66

306,461

A Case Report of Hemangiopericytoma Developed in
Nasal Cavity and Paranasal Sinus of a Child,
by J. Marushima, 4 pp.

JAPANESE, per, Otolaryngology, Vol XXXIII, 1961,
pp 537-539.

NIS 8-18-63 (Loan)

Sol - Biol & Med
Rep 63

345,332

Methods of Measuring Specific Heat at High Temperatures,
by Seizo Nagasaki, Yutaka Takagi, 10 pp.

JAPANESE, per, Journal of Applied Physics of Japan,
Vol XVII, 1948, pp 104-109. 9095274

AEC SCL-T-378

Sci - Phys
Jan 62

178,962

On the Ultrasonic Absorption of the Solution
of Electrolytes, by Senichi Tokawa, 8pp
JAPANESE, per, Oyo Butsuri, Vol 20, 1951,
No 6/7, pp 237-239
SLA TT-65-10123

Sci - Chem
June 67

329,416

The Structure of Thin Films of Paraffin on the Surface of Metals. Part I, by S. Yoshioka, H. Yamamoto, 11 pp.

JAPANESE, per, Oyo Butsuri, Vol XX, No 6-7, 1951, pp 242-246. C. A. Vol XLVI, 1952, p 5922e.

ATG JJ-4161

Sci

95, 681

Aug 59

The Structure of Thin Films of Paraffin on the Surface of Metals. Part II, by S. Mochioka, H. Yamamoto, 11 pp.

JAPANESE, par, Oyo Butsuri, Vol XX, No 8-9, 1951, pp 286-289. C. A., Vol XLVI, 1952, p 5922a.

AND 33-1186

Sci

Aug 59

95, 6 82

The Influence of Intensity and Frequency of
Ultrasonic Waves on the Grain Size of Calcium
Carbonate Precipitate, by Ryoukichi Okazaki, 4 pp.

JAPANESE, per, Oyo Butsuri, Vol XXII, 1953,
pp 358-359.

AEC Tr 2427 33, 344

Sci - Chemistry

Apr 56

63-12400

Sawaki, Toshiro and Iwata, Minoru.

ACHROMATIZATION OF ANTIREFLECTION COATINGS: TREATMENT ACCORDING TO THE ELECTRICAL NETWORK THEORY, tr. by H. J. Kondr. 1962, 20p. 45-000. NRCC Technical Trans. 1039.
Order from NRCC \$1.50 NRCC C-4152

I. Sawaki, T.
II. Iwata, M.
III. NRCC TT-1039
IV. NRCC C-4152
V. National Research Council
of Canada

Trans. of Opt. Betsudai (Japan) 1955, v. 24, no. 2,
p. 49-56.

DESCRIPTORS: Optical materials, *Optical coatings,
Thin films, Theory, Reflection, Refractive index.

(Physics--Optics, TT, v. 9, no. 3)

Office of Technical Services

Crystal Structure and Physical Properties
of CuSe, by Masaharu Aoki, Shoji Tanaka,
16 pp.
JAPANESE, per, Oyo Butsuri, Vol XXIV, 1955,
pp 113-117.
AEC-SB-T-64-916

Sci-Phys
Apr 65

277,003

Physical Properties of Fluorocarbon Resins. Part 1,
by A. Nishioaka,

JAPANESE, per, J Appl Phys (Japan), Vol XXV, No 10, 1958
pp 389-395

ATS JJ-1719

Sci - *chem*
Jul 59

90,457

Mathematical Analysis of the Intensity Distribution
of Optical Images for Various Degrees of Coherence
of Illumination Representation of Intensity by
Hermitian Matrices, by H. Gamo, 37 pp.

CHINESE, per, Oyo Butsuri, Vol 25, No 11, 1956,
pp 431-443.

NASA TT F 13721

Oct 71

Physical Properties of Fluorocarbon Resins. Part 2,
by A. Nishioka,

JAPANESE, per, J Appl Phys (Japan), Vol XXV, No 12,
1956, pp 475-479.

ATS JJ-1720

Sci - Chem
Jul 59

90, 456

The Sampling Theorem for the Image Obtained by a
Circular Aperture and its Applications to Numerical
Calculation of Amplitude, Intensity and Their
Fourier Transforms With Analytical Expression of
Response Functions, by H. Gamo, 37 pp.

CHINESE, per, Oyo Butsuri, Vol 26, 1957a, pp 102-
115.

NASA TT F 13720

Oct 71

Transformation of Intensity Matrix in Optics by a
Pupil, by H. Gamo, 21 pp.

CHINESE, per, Oyo Butsuri, Vol 26, No 9, 1957,
pp 414-421.

NASA TT F 13718

Oct 71

Contact Resistance in Silicon Carbide Contacts,
by N. Maeharu.

JAPANESE, per, Oyo Butsuri (Journal of Applied
Physics), Vol 26, 1957, pp 602-608.

NASA TT F-11,736

Sci
Dec 68

371,106

Intensity Matrix of the Image Obtained by
a Circular Aperture, by Hideya Gamo,
19 pp.

JAPANESE, per, Oyo Bunkuiri, Vol XXVII,
No 10, 1958, pp 577-584.

SLA 60-14225

Sci
Mar 62
Vol IV, No 2

188, 827

On Achromatic Coating for Photographic Lens, by
Hisashi Nishino, 12 p.

JAPANESE, par, Oyo Butsuri, 1958, Vol XXVII, No 10,
pp 590-595.

SLA 60-10276

Sci
Apr 60
Vol XIX, No 3

112, 018

A Method of Measuring the Metallic Diffusion by the Use of Autoradiographic Method, by Y. Ishii, 7 pp.
JAPANESE, per, Oyo Butsurui, 28, 1959, pp. 426-432.
*Nat. Bur. Stand. TT 70-57156

Sci/Phys
MAY 70

Namba, Susumu, Yoshizawa, Mitio, and Tamura,
Hihumi.
ELECTROLUMINESCENCE OF ORGANIC FLUOR-
ESCENT COMPOUNDS. 7p (9 figs 7 refs omitted)
Order from SLA \$1.10 TT-64-16496

Trans. of Oyo Butsuri (Japan) 1959, v. 28 [no. 8]
p. 439-444.

(Chemistry--Physical, TT, v. 12, no. 4)

TT-64-16496

I. Namba, S.
II. Yoshizawa, M.
III. Tamura, H.

Office of Technical Services

Screen in Vacuum Evaporated Films, by H. Kondo,
K. Minami.
JAPANESE, par. 520.122.1, Vol XXVIII, 1959.
p 558-560
PAC 60-7-65-74

Sci-Phys
Jan 61

Response Function of the Human Eye, by
S. Ogas,
JAPANESE, per, Gyo Butrusi, Vol XXVIII,
No 9, 1959, pp 531-535.
AFS 38-103

Sci-841
Apr 67

524, AMICOR

Stress in Vacuum-Evaporated Films, by H. Kondo,
K. Kanoshita. 13 pp.
JAPANESE, per, Iyo Butsuri, Vol. 28, No. 9, 1959,
pp 555-568.
AEC SC-T-65-741

Sci/Physics
Per 67

520,712

A Piezoelectric Study of a Silver Bromide Crystal,
by S. Sonoike, Y. Mita.

JAPANESE, per, Oyo Butsuri, Vol XXVIII, No 10,
1959, pp 602-608.

CSIRO

Sci - Phys

157,807

Jun 61

An Improvement on the Nijboer-Niehuis Method for
Calculating Diffraction Patterns, by Hidaya Gamo.
5 pp.

JAPANESE, per, Oyo Butsuri, Vol XXVII, No ~~52~~ 10,
1959, pp 633, 634.

/SIA 59-15594

Sci
Dec 59
Vol 2, No 4

103087

The Effect of Ground Glass on the Coherence of
Transmitted or Reflected Light, by Kikuchi,
Joichi, 8 pp.

JAPANESE, per, Gyo Butsuri, Vol XXVII, No 10,
1958, pp 634-636.

SLA 50-15593

Sci
Dec 59
Vol 2, No 4

103,089

Aberrations of a System in Which the
Object-Image Correspondence Is Reversed,
by Matsui Yoshiya, 11 pp.

JAPANESE, par, Oyo Butsuri, Vol XXVII,
No 19, 1958, pp 595-599.

SLA 60-14226

Sci
Mar 62
Vol IV, No 2

188, 828

Wada, M., Takahashi, T., and Seki, T.
PHOTOCONDUCTIVE PROPERTIES OF LEAD MON-
OXIDE. 5p.
Order from ATS \$8.00 ATS-31R76J

Trans. of Oyo Butsuri (Japan) 1959, v. 28, no. 4,
p. 216-219.

(Chemistry-Physical, TT, v. 12, no. 5)

TT-64-2111

- I. Wada, M.
- II. Takahashi, T.
- III. Seki, T.
- IV. ATS-31R76J
- V. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Establishment of the Fifth Order Aberration Theory
for Practical Use. I. General Theory, by
Matsui Yoshiya.

JAPANESE, per, Oyo Butsuri, Vol XXVIII, No 11,
1959, pp 642-650.

MLL N. 2586

Sci - Phys

180.039

Jan 62

61-10591

Sugiyama, Yoshio.
COMPARISON OF DIFFERENT COLOR-DIFFERENCE
FORMULAS BY USING RANK CORRELATION
METHOD. [1961] 4p. 3 refs.
Order from SLA mi\$1.80, ph\$1.80 61-10591

Trans. of Oyo Butsuri (Japan) 1959, v. 28, no. 11,
p. 668-669.

1. Colors--Standards
1. Sugiyama, Y.

148578

Office of Technical Services

(Physics--Optics, TT, v. 5, no. 12)

Projective Geometry Applied to Color and
Colorimetry, by Y. Sugiyama, 9 pp.

JAPANESE, per, Oyo Butsuri, Vol. XXVIII, No 12,
1959, pp 677-680.

SLA 50-10991

Sci

Apr 61

146, 168

Sugiyama, Y., Fukuda, T., and Tabata, O.
ON THE L/Y RATIO. [1960] 10p. 13 refs.
Order from SLA int\$1.80, ph\$1.80 60-18131

Trans. of Oyo Betsuri (Japan) 1959, v. 28, no. 12,
p. 681-687.

The heterochromatic brightness L of colored samples which have similar luminous reflectance Y was measured by using the gray scale, and the equal L/Y curves were drawn on the chromaticity diagram. The results obtained by two observers did not always coincide and there were some differences among the brightness levels. Though Y values are same, observers judge generally that blue colors are more bright than yellow colors and the bluer the color, the brighter it appears. These results were caused by uncertainties in the luminosity curve and by the non-linearity of the responses of receptors in the eyes.

(Physics--Optics, TT, v. 5, no. 4)

60-18131

I. Colorimetry--Theory
I. Sugiyama, Y.
II. Fukuda, T.
III. Tabata, O.

143,255

Office of Technical Services

Establishment of the Fifth Order Aberration
Theory for Practical Use. I. General Theory,
by Matsui Yoshiya.

JAPANESE, per, Gyo Butsuri, Vol XXVIII, No 12,
1959, pp 687-697.

WLL M. 2586

Sci - Phys

Jan 62

180, 040

Hagino, Minoru, Takahashi, Tadaaki, and
Wada, Masanobu.

PHOTOELECTRIC AND OPTICAL PROPERTIES OF
Sb-Cs AND Sb(Mg)-Cs FILMS. [1960] 24p. 11 refs.
Order from SLA ml\$2.70, ph\$4.80 60-18118

Trans. of Oyo Butsuri (Japan) 1959, v. 28 [no. 12]
p. 711-720.

Experimental data suggest that the mechanism of dark
current reduction in photomultiplier tubes is related
to an increase of the acceptor density caused by the
addition of Mg and not to a lowering of the Fermi level
by the addition of other elements as postulated by
W. E. Spicer (RCA Rev. 12: 555, 1958)

146,983

(Physics--Electronics, TT, v. 5, no. 5)

60-18118

1. Photomultipliers--
Sensitivity
2. Metal films--Electrical
properties
3. Metal films--Optical
properties
4. Photoemission--Electrical
factors
5. Antimony--Properties
6. Cesium--Properties

- I. Hagino, M.
- II. Takahashi, T.
- III. Wada, M.

Office of Technical Services

Contact Charging of Irradiated Polyethylene, by
S. Kittaka, A. Kasai.

JAPANESE, per, Oyo Butsuri, Vol XXIX, No 1, 1960,
pp 27-31.

CSIRC

Sci - Phys

Jun 61

157,809

Response Function of the Photographic Adjacency
Effect, by Kazuo Sayanagi.

JAPANESE, par, Gyo Butsuri, Vol XXIX, No 3,
1960, pp 155-158.

SLA 60-18989

Sci

146,096

Apr 61

Design of Plasma-Jet Generators and Their Spectroscopic
Measurements, (Part) I., by Tadao Hori, Taisaku
Ishimura, Yoshiaki Nakajima, 10 pp.

JAPANESE, PHYS, Cyo Bunsui, Vol XLIX, No 7, 1960,
pp 438-442. 9099837

ARC SCL-T-403

Sci - Phys

May 62

198,539

Design of Plasma-Jet Generators and Their Spectroscopic
Measurements, (Part) II, by Tadao Horie, Tsutomu
Ishimura, Yoshiaki Nakajima,

JAPANESE, per, Oyo Butsuri, Vol XXX, 1960, pp 509-514.

9087628

AEC SCL-T-415

Sci - Phys

Jun 62

List 69

197,826

Kitamura, Saburo, Kubo, Takao and others.
SINTERED CADMIUM SULPHIDE PHOTOCONDUCT-
ING FILMS. [1961] [12]p.

Order from SLA \$1.60

62-10987

Trans. of Oyo Butsuri (Japan) 1960, v. 29, no. 9,
p. 636-641.

DESCRIPTORS: *Cadmium compounds, *Sulfides,
*Photoconductive films, Preparation, *Sintering,
Photosensitivity, Solid state physics.

The production method and the characteristics of
photoconductive sintered CdS film are described. As
sintered CdS film can be fabricated into desired
shapes and a comparatively strong photocurrent can
be gained from it, it is expected to be employed in
many ways as a photosensitive element in various
photoelectric relays or photoelectric meters. (Author)
(Physics--Solid State, TT, v. 8, no. 1)

62-10987

I. Kitamura, S.
II. Kubo, T.

Office of Technical Services

Graininess and Granularity of Photographic
Materials, (III) Granularity of Color Film,
~~XXXXXXXXXXXX~~ by Shingo Ooue.

JAPANESE, per, OYO Butsuri, Vol XXIX, 1960,
pp 685-691.

*ERDL, Ft Belvoir T-1635

Sci - Phys
24 Aug 62

I-75/64

An Analysis of Photographic Materials As an
Image Transfer System, by Shingo Oue, 7th.
JAPANESE, per, Journal of Applied Physics
[Oyo Datsuri], Vol XXIX, No 10, 1960,
pp 717-719.

*JPRS/SF-3295/Special

Sci-Phys
Aug 64

Hattori, A.
RESPONSE FUNCTION AND RECOGNITION OF
FOCUSING SCREEN. Pt. 1. of Response Function and
Performance of Focusing Screen. [1961] 9p.
Order from ATS \$17.25 ATS-84N52]

Trans. of Oyô Bussurî (Japan) 1961, v. 30, no. 1,
p. 31-36.

DESCRIPTORS: *Focusing, *Optical equipment,
*Grilles.

(Physics--Optics, TT, v. 6, no. 8)

61-25058

I. Hattori, A.
II. Title: Response...
III. ATS-84N52]
IV. Associated Technical
Services, Inc.,
East Orange, N. J.

5199

Office of Technical Services

Hattori, A.
GRAININESS OF FOCUSING SCREEN. Pt. 2. of
Response Function and Performance of Focusing
Screen. [1961] 7p.
Order from ATS \$14.00 ATS-85N52]

Trans. of Oyô Butsuri (Japan) 1961, v. 30, no. 1,
p. 36-40.

DESCRIPTORS: *Focusing. *Optical equipment,
*Grilles.

See also ATS-84N52]

(Physics--Optics, TT, v. 6, no. 8)

61-25059

- I. Title: Focusing screens
- I. Hattori, A.
- II. Title: Response...
- III. ATS-85N52]
- IV. Associated Technical
Services, Inc.,
East Orange, N. J.

61-25059

Office of Technical Services

X-Ray Diffraction Study on Internal Stress and
Structure of Evaporated Gold Films. I. by A. Kinbara,
9 pp.
JAPANESE, per, Otsu Betsuri, Vol XXX, No 7,
1961, pp 496-501. 921025
AMC-50-T-63-726

Sci-Film
Aug 68

280,394

X-Ray Diffraction Study on Internal Stress and
Structure of Evaporated Gold Films. II, by
A. Kishara, 7 pp.
JAPANESE, per, Oyo Kagaku, Vol XXX, No 9, 1961,
pp 647-655. 020023
REC-SC-T-65-727

Sci-Phys
Aug 65

286,393

Internal Stress in Evaporated Thin Silver
Films, by H. Kato, K. Nagasawa.
JAPANESE, per, Oyo Butsuri, Vol 30,
No 9, pp 700-704, 1961 9229781-
AEC SC-T-65-781

Sci-Phys
Nov 65

291,660

A New Type of Shearing Interferometer and Its
Application ~~to~~ to Measurement of Transfer Functions
of Microscope Objective, by Tadao Tsuruta.

~~XXX~~ JAPANESE, per, Journal ^{of} Applied Physics ~~2~~
of Japan, Vol XXX, No 10, 1961, pp 770-777.

*ERDL, Ft Belvoir T-1632

Sci - Phys
24 Aug 62

Nakamura, K. and Kinoshita, K.
PERSISTENT INTERNAL POLARIZATION OF ZnS
TYPE PHOSPHORS AND ITS APPLICATIONS. [Jan 64.]

11p

Order from ATS \$16.85

ATS-60Q73]

Trans. of Oyo Betsuri (Japan) 1961, v. 30, no. 10,
p. 778-785.

DESCRIPTORS: *Phosphors, *Zinc compounds,
*Sulfides, Polarization.

TT-64-12457

- I. Nakamura, K.
- II. Kinoshita, K.
- III. ATS-60Q73]
- IV. Associated Technical
Services, Inc., East
Orange, N. J.

(Physics--Solid State, TT, v. 11, no. 10)

Office of Technical Services

TT-64-14363

Hirose, Hidenori and Wada, Yasaku.
APPLICATION OF EVAPORATED METAL FILM TO
THE STUDY OF PERMEATION OF GAS THROUGH
POLYMER MEMBRANES. [1963] 12p 2refs
Order from SLA \$1.60 TT-64-14363

I. Hirose, H.
II. Wada, Y.

Trans. of Oyo Butsuri (Japan) 1961, v. 30, no. 12,
p. 911-915. (Abstract available)

DESCRIPTORS: *Plastic films, *Membranes, Gases.
*Permeability, *Metal films, Vapor plating.

A method is given whereby the three resistances of
adsorption, desorption and diffusion may be measured
separately by vaporizing a thin layer of metal onto a
membrane surface and limiting the permeation area so
that the permeation volume can be determined. (Author)

(Physics, TT, v. 11, no. 9)

Office of Technical Services

The Relation between Sharpness and Response
Functions, by S. Ooue, 14 pp.
JAPANESE, per, Oyo Bytsuri, Vol XXXI, No. 3,
pp 178-186.
ATS-62R76J

Sci - M/M
Jul 66

305,884

Interference Comparator for Routine Measurement
of Length. (Parts I & II), by Tadashi KUROKAWA.
JAPANESE, per, Gyo Butsuri, Vol 31, No 3, 1962,
pp 192-207.

*AEC

Sci/Methods and Equipment
Feb 67